Cerebellar Granule Cell Outgrowth on Schwann Cell Monolayers

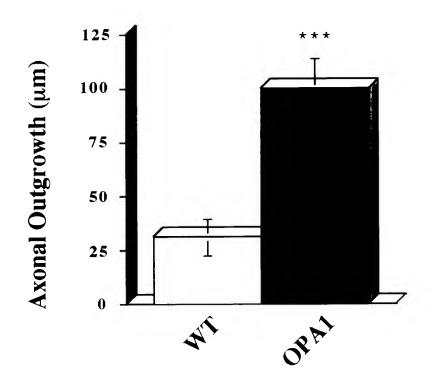
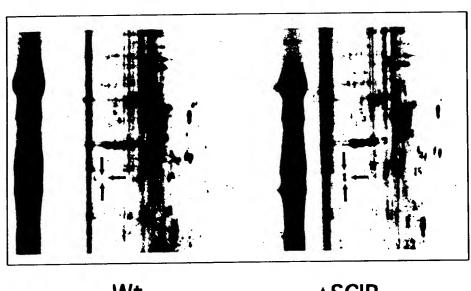




Figure 8

Comparison of Wild-type and $\Delta SCIP$ Schwann Cell Protein Expression



Wt

ΔSCIP

2A ttgagactggttgcataacagcagggtacctgaaagagccttctgggagttagtgaacta 60 2B ttg agact ggtt gcata acag cag ggt acct gaa agag cctt ctg gg ag tt ag t gaact a2Aggtagattgttttgttcacataacgccaccatcaacttaaagtgaattgtctttgttata 120 2B ggtagattgttttgttcacataacgccaccatcaacttaaagtgaattgtctttgttata2Aaatgaggtcactatggacttaccctaaagatcttctgtacttctgtcttccataggacaa 180 2Ba at gagg teact at ggact taccet a a gat ctt ct g tact tet g tet tecat a ggaca a2A atgataagtactacatacctcatctcttgggttattattgtagtcttgcattcatggtta 240 2B 2Atgaatttaaaaataaataccaattatggaaatagtactaaaggcttgccgcacatgaaac 300 2Btgaatttaaaaataaataccaattatggaaatagtactaaaggcttgccgcacatgaaac2Aattattttaattggtttaaagtccctttataaagagtgctacatggtttagataaaggaa 360 2B2A2Ba catata a ctattg a gtta cag g g a ttttatta attata a a a t g ca a t ca a ttta a a t2Aacgtaggtttaagactagtcccttggataagccccaagcgaatttgtcttcagattatta 480 2Bacgtaggtttaagactagtcccttggataagccccaagcgaatttgtcttcagattatta

Figure 2

2A	aa attagt get gtaaat cag g g t g g g caatte a cag cett tet gaact g a c t g a
2B	aaattagtgetgtaaatcagggtgggcaatteacageetttetgaactgactgaactaga
2A	gcttgcagtgaagtgttctgctgagactgagcaccttacagatatttttctccagaagat 600
2B	gcttgcagtgaagtgttctgctgagactgagcaccttacagatatttttctccagaagat
2A	ggtgctgggtaataaaatcatcacaattagggaatggttagtggtctctactgtggcaaa 660
2B	ggtgctgggtaataaaatcatcacaattagggaatggttagtggtctctactgtggcaaa
2A	tgccaactgttggaattcactitattgtagaaaaacccaaactgagactcttaagttttg 720
2B	tgccaactgttggaattcactttattgtagaaaaacccaaactgagactcttaagttttg
2A	tttagcaatgtgtttctggtatgaaacaaactactgtgtcactgtccaggtaggaaacaa 780
2B	tttagcaatgtgtttctggtatgaaacaaactactgtgtcactgtccaggtaggaaacaa
2A	ttettteaactgggtttteagcataaatgggaactgatgtagaaggeaggatttageeet 840
2B	ttctttcaactgggttttcagcataaatgggaactgatgtagaaggcaggatttagccct
2A	tetaggeaaaagaaaageteagttgggttteaegagtgtteetgtgettatatteagtet 900
2B	tctaggcaaaagaaaagctcagttgggtttcacgagtgttcctgtgcttatattcagtct
2A	gtgeetacatgtteteatgeatgtetaacetgatttacetettacetgtaacetacetta 960
2B	gtgcctacatgttctcatgcatgtctaacctgatttacctcttacctgtaacctacct
2A	tcatgtggcttttaattgacagtcactcagccatttctaagcagatatagtagtaccttt 1020
2B	teatgtggettttaattgacagtcactcagccatttetaagcagatatagtagtacettt

2Acagaactcacattggcaagtgtaaaaagatgacttaaggtgaagtgaggacaaaatcaca 1080 2Bcaga act ca cattgg caagtg taa aa ag at gactta ag g tgaagtg ag g acaa aa t caca2A ttctgcatactaacctannnnnnnctccctttaaggtgctaaacttgcacctcatgtcca 1140 2B ttctg catacta acctatttttttctcccttta aggtgcta aacttg cacct catgtcca2A 2B 2A cttgtgaggaagtgagccagcagtggcctttgcaattgtggatcttgagctctgctctca 1260 2B ctt gt gag gaag t gag ccag cag t gg cctt t gcaat t gt gg at ctt gag ct ct gct ct ca2A gcagatttcaggtgtaaccatttgttaactgtactgaaggtgtgtcctcaagaagaaagt 1320 2Bg cag att t cag g t g ta accatt t g t ta act g ta c t g a a g g t g t g t c t ca a g a a g a a g t g t g t c t ca a g a a g a a g t g t g t c t ca a g a a g a a g t g t g t c t ca a g a a g a g t g t g t c t ca a g a a g a g a g t g t g t c t c a g a a g a a g t g t g t c t c a g a a g a a g t g t g t c t c a g a a g a a g t g t g t c t c a g a a g a a g t g t g t c t c a g a a g a a g t g t g t c t c a g a a g a a g t g t g t c t c a g a a g a a g t g t g t c t c a g a a g a a g a a g t g t g t c t c a g a a2A gttcaaattaaaaaagctgctgccaagtacactgtgtggtcttctcctttgaatcctagg 1380 2Bgttcaaattaaaaaagctgctgccaagtacactgtgtggtcttctcctttgaatcctagg 2Agttctatccctcttcagagtcatgtttctggtgctgctactttaaaacacagctcacaag 1440 2Bgttctatccctcttcagagtcatgtttctggtgctgctactttaaaacacagctcacaag 2Λ aataactaacttgctcaaatatggagaaaactcaatagggttcagggaggttctggcagt 1500 2Ba at a act a act t g ct caa at at g g a g a a act caa t a g g g t c a g g g a g g t t c t g g c a g t c a g g g a g g t c t g g c a g t c a g g g a g g t c t g g c a g t c a g g g a g g t c t g g c a g t c a g g g a g g t c t g g c a g t c a g g g a g g t c t g g c a g t c a g g g a g g t c t g g c a g t c a g g g a g g t c t g g c a g c

Figure 2 cont.

!A	gtgcagtgtgaaataatcctgagtccttgctgaacacaactgtaggcttgagttataaag 1560
!B	gtgcagtgtgaaataatcctgagtccttgctgaacacaactgtaggcttgagttataaag
.A	cacattecaaattttaaataaaagcatttactcaattattataaaacaacatatttaaaa 1620
2B	cacattccaaattttaaataaaagcatttactcaattattataaaacaacatatttaaaa
.A	agatgaaccacaccaaaggtcatcaaaacacctttttataaattagataattctacctgt 1680
B.	agatgaaccacaccaaaggtcatcaaaacacctttttataaattagataattctacctgt

Figure 2 cont.

adult sciatic nerve

muscle adult spinal cord adult brain

28S —

kidney

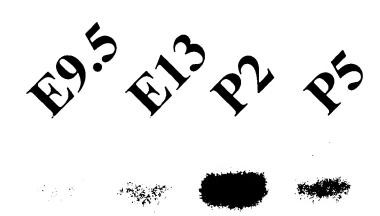
liver

spleen

heart

18S —

OPA1 Expression in the Developing CNS



28S —

18S —

18S RNA

MSC ΔSCIP
μg/ml GGF2 0 50 0 50

28S —

MCS

18S — 1 2 3 4

OPA1 Induction

0 10 100 250 500 1000 ng/ml FK506

— 28S

-18S

PC12 Cell Outgrowth on Schwann Cell Monolayers

